

Title (en)

Electronic device with a housing to be fastened to a windscreen of a motor vehicle

Title (de)

Elektronisches Gerät mit einem Gehäuse zur Anbringung an einer Scheibe eines Kraftfahrzeuges

Title (fr)

Dispositif électronique avec un carter pour fixer sur une vitre de véhicule à moteur

Publication

EP 1251048 A3 20021127 (DE)

Application

EP 02008540 A 20020416

Priority

DE 10119219 A 20010420

Abstract (en)

[origin: EP1251048A2] The device has a housing for application to a motor vehicle windscreen via a coupling medium consisting of a flexible rubber or gel-like material. An air outlet channel that communicates with the ambient air is arranged in the area of potential bubble formation between the windscreen and the coupling medium.

IPC 1-7

B60S 1/08; B60S 1/48; B60Q 1/48; B60Q 1/52

IPC 8 full level

B60Q 1/48 (2006.01); **B60Q 1/52** (2006.01); **B60S 1/08** (2006.01); **B60S 1/48** (2006.01)

CPC (source: EP US)

B60S 1/0822 (2013.01 - EP US); **B60S 1/0881** (2013.01 - EP US)

Citation (search report)

- [X] DE 4017063 A1 19911128 - BOSCH GMBH ROBERT [DE]
- [A] US 5262640 A 19931116 - PURVIS MICHAEL B [US], et al
- [A] DE 4101995 A1 19920730 - VDO SCHINDLING [DE]
- [A] EP 0911231 A2 19990428 - VOLKSWAGEN AG [DE]

Cited by

DE102007061103A1; DE102011118121B4; EP1431146A3; DE102011118121A1; WO2009024598A1; WO2009024597A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1251048 A2 20021023; **EP 1251048 A3 20021127**; **EP 1251048 B1 20050706**; DE 10119219 A1 20021024; DE 50203541 D1 20050811; ES 2244692 T3 20051216; US 2002155734 A1 20021024; US 6646359 B2 20031111

DOCDB simple family (application)

EP 02008540 A 20020416; DE 10119219 A 20010420; DE 50203541 T 20020416; ES 02008540 T 20020416; US 12439602 A 20020418